

IN THE SPECIFICATION:

Please amend the Abstract of the Disclosure as follows:

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~~The invention provides a~~ A method and system for providing the functionality of dynamically-allocated threads in a multithreaded system, in which the operating system provides only statically-allocated threads. With this functionality, a relatively large number of threads can be maintained without a relatively large amount of overhead (either in memory or processor time), ~~time,~~ and it remains possible to produce program code without undue complexity. A plurality of dynamically-allocated threads are simulated using a single statically-allocated thread, but with state information regarding each dynamically-allocated thread maintained within the single statically-allocated thread. The single statically-allocated thread includes, for each procedure call that would otherwise introduce a new simulated thread, a memory block including (1) a relatively small procedure call stack for the new simulated thread, and (2) a relatively small collection of local variables and other state information for the new simulated thread. ~~When using multithreading in the WAFL file system, high concurrency among threads can be maintained without any particular requirement that the program code maintain a substantial amount of state information regarding each dynamically-allocated thread. Each routine in the WAFL file system that expects to be suspended or interrupted need maintain only a collection of entry points into which the routine is re-entered when the suspension or interruption is completed. A feature of the C language preprocessor allows the programmer to generate each of~~

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~~these entry points without substantial additional programming work, with the aid of one or more programming macros.~~

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